

# XP-002202496

AN - 1988-216148 [31]

A - [001] 014 028 03& 039 04- 040 05- 06- 09& 09- 10& 10- 147 15& 15- 157  
17& 198 200 202 203 205 228 230 231 24- 240 250 261 263 273 293 31-  
311 316 318 321 324 325 334 336 347 348 35& 350 359 360 37- 397 398  
44& 475 477 50& 52& 53& 532 536 57- 58- 597 603 609 611 656 659 680  
688 689 692 720 723 724

AP - JP19860300669 19861217

CPY - DAll

DC - A25 A60 C03 E11 G02

DR - 1013-U 1512-U 1740-U 5192-P 5192-U

FS - CPI

IC - B01F17/42 ; C08G65/32

KS - 0013 0034 0039 0041 0042 0044 0045 0046 0047 0048 0050 0051 0053 0201  
0204 0218 0224 0228 0231 1279 1588 1592 1602 1606 1630 1634 1665 1669  
1672 1676 1679 1683 2001 2002 2014 2021 2022 2043 2063 2065 2092 2143  
2178 2198 2199 2202 2206 2272 2274 2276 2277 2318 2509 2511 2572 2662  
2683 2718 2792 2794 2812 3002 3261 3262

MC - A08-S04 A08-S05 A10-E01 A12-A A12-B01 A12-W04 A12-W12C C05-B01N  
C05-B01P C12-M09 E05-G08 E05-G09D G02-A04A G03-B01 G03-B02

M1 - [02] B415 B515 B701 B713 B720 B815 B831 G010 G011 G012 G013 G040 G100  
H5 H541 H589 H7 H721 H722 H8 M121 M122 M124 M132 M135 M150 M210 M211  
M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225 M226 M231 M232  
M233 M240 M272 M281 M282 M311 M312 M313 M314 M315 M321 M323 M331 M332  
M333 M340 M342 M343 M383 M393 M423 M430 M510 M520 M530 M531 M532 M540  
M630 M782 M903 Q130 Q133 Q331 Q332 Q616 V743; 3102-R 1678-D

- [04] B415 B515 B701 B713 B720 B815 B831 G010 G011 G012 G013 G019 G040  
G100 H5 H541 H542 H589 H7 H722 H723 H8 M121 M129 M132 M135 M139 M150  
M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225 M226  
M231 M232 M233 M240 M272 M281 M282 M283 M311 M312 M313 M314 M315 M321  
M322 M323 M331 M332 M333 M340 M342 M343 M383 M393 M423 M430 M510 M520  
M530 M531 M532 M533 M540 M630 M782 M903 Q130 Q133 Q331 Q332 Q616 V743;  
3102-R 1678-D

M2 - [01] B415 B515 B701 B713 B720 B815 B831 G010 G011 G012 G013 G040 G100  
H5 H541 H582 H583 H584 H589 H7 H721 H722 H8 M121 M122 M124 M132 M135  
M150 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225  
M226 M231 M232 M233 M240 M272 M281 M282 M311 M312 M313 M314 M315 M321  
M322 M323 M331 M332 M333 M340 M342 M343 M383 M392 M393 M411 M430 M510  
M520 M530 M531 M532 M540 M630 M782 M903 Q130 Q133 Q331 Q332 Q616;  
3102-R 1678-D

- [03] B415 B515 B701 B713 B720 B815 B831 G010 G011 G012 G013 G019 G040  
G100 H5 H541 H542 H584 H589 H7 H722 H723 H8 M121 M122 M124 M129 M132  
M135 M139 M150 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223  
M224 M225 M226 M231 M232 M233 M240 M272 M281 M282 M283 M311 M312 M313  
M314 M315 M321 M322 M323 M331 M332 M333 M340 M342 M343 M383 M393 M411  
M430 M510 M520 M530 M531 M532 M533 M540 M630 M782 M903 Q130 Q133 Q331  
Q332 Q616; 3102-R 1678-D

M3 - [01] B415 B515 B701 B713 B720 B815 B831 G010 G011 G012 G013 G040 G100  
~~H5 H541 H582 H583 H584 H589 H7 H721 H722 H8 M121 M122 M124 M132 M135~~  
~~M150 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223 M224 M225~~  
~~M226 M231 M232 M233 M240 M272 M281 M282 M311 M312 M313 M314 M315 M321~~  
~~M322 M323 M331 M332 M333 M340 M342 M343 M383 M392 M393 M411 M430 M510~~

M520 M530 M531 M532 M540 M630 M782 M903 Q130 Q133 Q331 Q332 Q616;  
3102-R 1678-D

- [03] B415 B515 B701 B713 B720 B815 B831 G010 G011 G012 G013 G019 G040  
G100 H5 H541 H542 H584 H589 H7 H722 H723 H8 M121 M122 M124 M129 M132  
M135 M139 M150 M210 M211 M212 M213 M214 M215 M216 M220 M221 M222 M223  
M224 M225 M226 M231 M232 M233 M240 M272 M281 M282 M283 M311 M312 M313  
M314 M315 M321 M322 M323 M331 M332 M333 M340 M342 M343 M383 M393 M411  
M430 M510 M520 M530 M531 M532 M533 M540 M630 M782 M903 Q130 Q133 Q331  
Q332 Q616; 3102-R 1678-D

PA - (DAII ) DAIICHI KOGYO SEIYAKU CO LTD

PN - JP63151346 A 19880623 DW198831 009pp

PR - JP19860300669 19861217

XA - C1988-096408

XIC - B01F-017/42 ; C08G-065/32

AB - J63151346 The surfactant is a mixt. of cpds. of formulae (I) and (II):  
where R is 8-30C alkyl, alkenyl, alkylaryl, or aralkylaryl gp.; A is  
2-4C (substd.)alkylene gp.; n is 0-100; m is 1-200; and M is alkali  
metal, alkanol amine residue, NH<sub>4</sub>, or H.

- USE/ADVANTAGE - Used for paint, printing ink, (pressure sensitive)  
adhesive, wax, or agricultural chemical; as an emulsifier for  
polymerisation; or as an antistatic agent for plastics. The  
surfactant loses its functions after it works as a surfactant on  
producing or storing prods.

- In an example, 220g of nonylphenyl and 1.5g of triethylamine were  
charged in a reactor; 128g of methacrylglycidylether were dropped to  
the mixt. at 100 deg. C. The reaction mixt. was stirred for 5 hrs.,  
and put in an autoclave, where 10 mols of ethyleneoxide are added to  
the reaction mixt. and reacted in the presence of KOH catalyst at 130  
deg. C under 1.5 kg/cm<sup>2</sup> to prepare an ethyleneoxide adduct. Then 394g  
of the adduct and 22.7g of phosphoric anhydride were reacted at 80  
deg. C to prepare surfactant (A). An 0.1% aq. soln. of surfactant (A)  
gave 35.0 dyne/cm surface tension at 25 deg. C.(0/0)

DRL - 3102-R 1678-D

IW - ANION SURFACTANT PHOSPHORIC ACID ESTER METHO ALLYL GROUP PAINT PRINT  
INK ADHESIVE WAX AGRICULTURE CHEMICAL POLYMERISE EMULSION

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NC - 001

OPD - 1986-12-17

ORD - 1988-06-23

PAW - (DAII ) DAIICHI KOGYO SEIYAKU CO LTD

TI - Anionic surfactant of phosphoric acid ester having meth:allyl gps. -  
used for paint, printing inks, adhesive, wax, agricultural chemical  
polymerisation emulsifier, etc.